



June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 8

Test Date: March 2008
Code: 12861838
SAU: Maranacook CSD
School: Maranacook Community Middle

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

<i>Topic</i>	<i>Page</i>
Summary of Scores	2
Summary of Student Participation	3
English Language Arts – Reading Results	4-6
Mathematics Results	7-9
Science and Technology Results	10-12

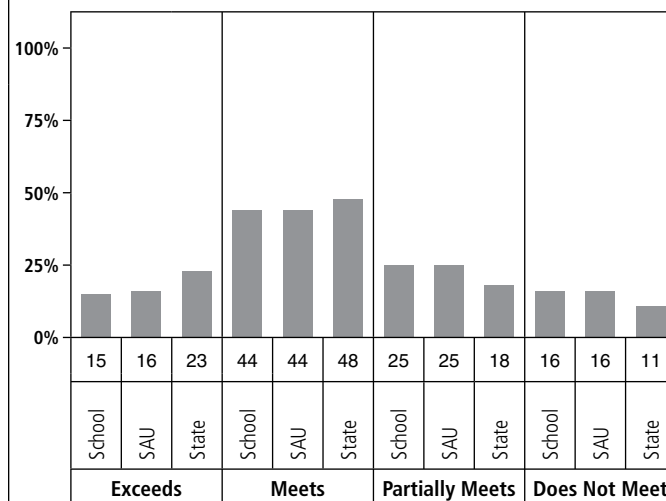
SUMMARY OF SCORES

Test Date: March 2008
Grade: 8
SAU: Maranacook CSD
School: Maranacook Community Middle

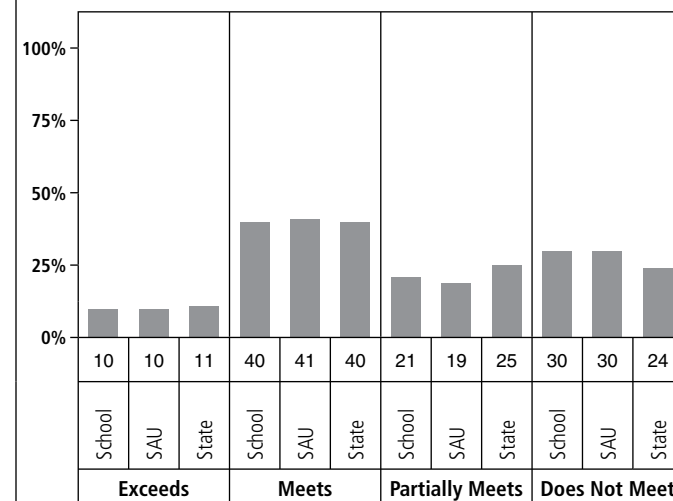
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	844	844	845
2006–2007	846	846	847
2007–2008	845	846	849
Cum. Avg. *	845	845	847
Mathematics			
2005–2006	836	836	840
2006–2007	842	842	842
2007–2008	839	840	841
Cum. Avg. *	839	839	841
Science & Technology			
2005–2006	845	846	846
2006–2007	846	846	847
2007–2008	845	845	847
Cum. Avg. *	845	846	847

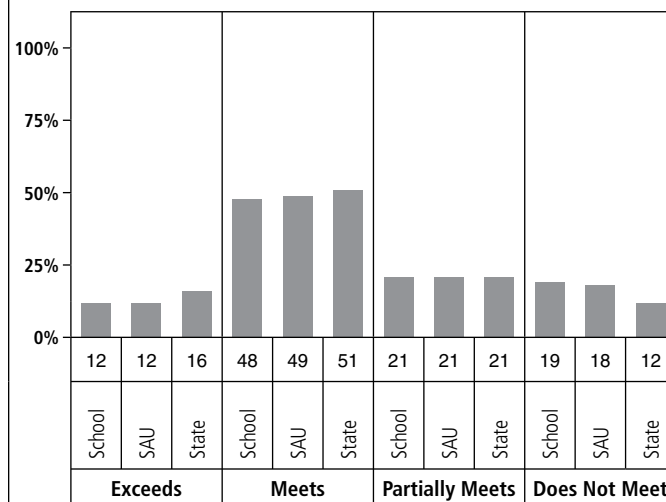
ELA – READING



MATHEMATICS



SCIENCE AND TECHNOLOGY



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008
 Grade: 8
 SAU: Maranacook CSD
 School: Maranacook Community Middle

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																							
							ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	118	100	111	100	15274	100	115	98	109	99	15102	99	115	98	109	99	15097	99	116	99	110	100	15080	99						
Ethnicity African American/Black	2	2	2	2	368	2	2	100	2	100	356	97	2	100	2	100	360	98	2	100	2	100	356	97						
American Indian or Native Alaskan	0	0	0	0	120	1	0	0	0	0	117	98	0	0	0	0	117	98	0	0	0	0	117	98						
Asian or Pacific Islander	0	0	0	0	186	1	0	0	0	0	181	97	0	0	0	0	182	98	0	0	0	0	182	98						
Hispanic	1	1	1	1	139	1	1	100	1	100	136	98	1	100	1	100	136	98	1	100	1	100	136	98						
Caucasian/White	115	97	108	97	14461	95	112	98	106	99	14312	99	112	98	106	99	14302	99	113	99	107	100	14289	99						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	11	9	11	10	2508	16	9	90	9	90	2446	98	9	90	9	90	2441	98	10	100	10	100	2431	98						
Current LEP	0	0	0	0	327	2	0	0	0	0	316	97	0	0	0	0	322	99	0	0	0	0	322	99						
Economically disadvantaged	29	25	27	24	5420	35	27	96	26	100	5329	99	27	96	26	100	5324	99	27	96	26	100	5313	98						
Migrant	0	0	0	0	7	0	0	0	0	0	7	100	0	0	0	0	7	100	0	0	0	0	7	100						

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science and Technology																	
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	106	90	100	90	12703	83	107	91	101	91	12694	83	107	91	101	91	12710	83												
Identified disability (PET/IEP)	0	0	0	0	437	3	1	1	1	1	421	3	1	1	1	1	445	4												
LEP	0	0	0	0	172	1	0	0	0	0	172	1	0	0	0	0	173	1												
504 plan	0	0	0	0	229	2	0	0	0	0	231	2	0	0	0	0	230	2												
Participation with accommodations	9	8	8	7	2221	15	8	7	7	6	2227	15	9	8	8	7	2197	14												
Identified disability (PET/IEP)	9	100	8	100	1832	82	8	100	7	100	1844	83	9	100	8	100	1813	83												
LEP	0	0	0	0	136	6	0	0	0	0	143	6	0	0	0	0	142	6												
504 plan	0	0	0	0	68	3	0	0	0	0	66	3	0	0	0	0	66	3												
Other	0	0	0	0	213	10	0	0	0	0	202	9	0	0	0	0	204	9												
Participation through alternate assessment (PAAP)	0	0	1	1	177	1	0	0	1	1	176	1	0	0	1	1	173	1												
Identified disability (PET/IEP)	0	0	1	100	177	100	0	0	1	100	176	100	0	0	1	100	173	100												
LEP	0	0	0	0	7	4	0	0	0	0	7	4	0	0	0	0	7	4												
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Approved non-participation in reading – 1st year LEP	0	0	0	0	1	0																								
Approved non-participation – special consideration	1	1	1	1	32	0	1	1	1	1	34	0	1	1	1	1	34	0												
Non-participation – other	2	2	1	1	140	1	2	2	1	1	143	1	1	1	0	0	160	1												

¹ Percents are the percentage of students enrolled in each participation category.

² Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³ Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date:	March 2008
Grade:	8
SAU:	Maranacook CSD
School:	Maranacook Community Middle

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 861–880)	2005-2006	18	16	18	17	2695	17
	2006-2007	18	16	17	15	2407	16
	2007-2008	17	15	17	16	3428	23
	Cum. Total*	53	15	52	16	8530	18
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 841–860)	2005-2006	51	44	47	43	6830	42
	2006-2007	56	49	53	48	7494	49
	2007-2008	51	44	47	44	7179	48
	Cum. Total*	158	46	147	45	21503	46
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 829–840)	2005-2006	22	19	22	20	3741	23
	2006-2007	28	24	27	25	3628	24
	2007-2008	29	25	27	25	2706	18
	Cum. Total*	79	23	76	23	10075	22
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 800–828)	2005-2006	24	21	22	20	3003	18
	2006-2007	13	11	13	12	1810	12
	2007-2008	18	16	17	16	1611	11
	Cum. Total*	55	16	52	16	6424	14

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	56	100	34.3	61.3	34.5	61.6	36.9	65.9
Literary Text	28	50	16.9	60.4	17.0	60.7	18.3	65.4
Informational Text	28	50	17.5	62.5	17.5	62.5	18.6	66.4

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: Maranacook CSD
 School: Maranacook Community Middle

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	115	17	15	51	44	29	25	18	16	845	108	16	44	25	16	846	14924	23	48	18	11	849
Ethnicity																						
African American/Black	2										2						348	11	38	22	29	840
American Indian or Native Alaskan	0										0						117	9	43	29	19	842
Asian or Pacific Islander	0										0						179	32	39	18	11	852
Hispanic	1										1						131	18	38	27	17	846
Caucasian/White	112	17	15	50	45	28	25	17	15	846	105	16	44	25	15	846	14149	23	49	18	10	850
Not Reported	0										0						0					
Identified disability																						
Yes	9	0	0	1	11	2	22	6	67	826	8	0	13	25	63	828	2269	3	24	32	42	833
No	106	17	16	50	47	27	25	12	11	847	100	17	46	25	12	847	12655	27	52	16	5	852
Current LEP																						
Yes	0										0						308	8	30	27	34	837
No	115	17	15	51	44	29	25	18	16	845	108	16	44	25	16	846	14616	23	48	18	10	850
Economically disadvantaged																						
Yes	27	0	0	14	52	7	26	6	22	839	26	0	50	27	23	839	5222	12	44	25	19	843
No	88	17	19	37	42	22	25	12	14	847	82	21	41	24	13	848	9702	29	50	14	7	853
Migrant																						
Yes	0										0						7	0	86	0	14	850
No	115	17	15	51	44	29	25	18	16	845	108	16	44	25	16	846	14917	23	48	18	11	849
Gender																						
Female	57	11	19	25	44	13	23	8	14	847	53	21	42	25	13	847	7198	30	48	15	7	853
Male	58	6	10	26	45	16	28	10	17	844	55	11	45	25	18	844	7726	17	49	21	14	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						807	9	41	32	18	842
No	115	17	15	51	44	29	25	18	16	845	108	16	44	25	16	846	14117	24	49	17	10	850
Gifted/talented program																						
Yes	0										0						592	71	28	1	0	867
No	115	17	15	51	44	29	25	18	16	845	108	16	44	25	16	846	14332	21	49	19	11	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA–READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: Maranacook CSD
School: Maranacook Community Middle

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	14 49 34 3	2 7 8 0	13 13 21 0	5 24 19 3	31 43 49 75	4 17 7 1	25 30 18 25	5 8 5 0	31 14 13 0	842 844 848 846	14 50 32 4	13 13 23 0	33 41 49 75	20 31 17 25	33 15 11 0	842 844 849 846	9 46 41 5	10 20 28 28	39 50 49 44	24 20 15 15	26 11 7 12	841 849 852 850
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading? A. The questions on the test match what I have learned in reading class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	28 61 10 2	4 11 2 0	13 16 18 0	16 31 3 1	50 44 27 50	8 17 4 0	25 24 36 0	4 11 2 1	13 16 18 50	845 846 846 830	29 61 8 2	13 17 22 0	52 42 22 50	26 24 33 0	10 17 22 50	846 846 846 830	33 53 11 3	31 21 14 6	48 51 41 34	14 19 25 26	7 9 20 35	853 849 844 836
Which of the following best describes how you rate yourself as a student in reading? A. very good B. good C. fair D. poor	33 52 13 2	13 4 0 0	34 7 0 0	21 29 1 0	55 48 7 0	3 18 7 1	8 30 47 50	1 9 7 1	3 15 47 50	856 843 830 828	33 51 14 2	36 7 0 0	56 47 7 0	6 31 47 50	3 15 47 50	857 843 830 828	31 49 18 2	42 19 5 4	44 54 42 29	8 19 31 32	6 9 22 34	857 849 840 835
How difficult was the reading part of this test? A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	13 68 19	5 7 5	33 9 24	4 39 6	27 51 29	2 21 6	13 27 29	4 10 4	27 13 19	847 844 847	13 68 19	36 10 25	29 49 30	14 28 25	21 14 20	849 844 847	15 65 19	16 23 30	44 49 49	22 18 14	18 9 8	845 850 852
How difficult were the reading passages on this test? A. Most of the passages were more difficult than what I normally read. B. Most of the passages were about the same as what I normally read. C. Most of the passages were easier than what I normally read.	8 51 41	1 6 10	11 11 22	2 19 28	22 33 61	3 19 7	33 33 15	3 13 1	33 23 2	836 841 853	8 52 40	13 11 24	25 31 62	38 35 12	25 24 2	839 840 854	9 53 38	8 17 36	33 51 48	28 21 11	31 11 5	838 848 855
How hard did you try on the reading part of this test? A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	30 61 9	8 8 1	24 12 10	15 30 5	44 43 50	7 20 1	21 29 10	4 11 3	12 16 30	849 844 844	30 62 8	25 12 13	44 42 50	19 30 0	13 15 38	849 845 844	43 51 6	23 25 9	48 49 43	19 17 24	10 9 23	849 851 842
How much time do you spend reading at home each day? A. more than one hour B. 20 minutes to an hour C. less than 20 minutes D. I rarely read at home.	16 40 22 22	3 7 5 2	17 15 20 8	9 19 10 13	50 41 40 52	4 14 5 6	22 30 20 24	2 6 5 4	11 13 20 16	847 846 846 843	16 43 21 20	18 15 22 10	47 41 39 52	24 30 22 19	12 13 17 19	847 846 847 843	18 41 13 28	31 28 20 12	47 49 49 47	13 15 18 26	9 7 12 16	852 852 848 844
How do you feel about the following statement? <i>“My knowledge of reading will be useful to me as an adult.”</i> A. strongly agree B. agree C. disagree D. strongly disagree	52 42 5 1	13 4 0 0	22 8 0 0	26 23 2 0	44 48 33 0	13 14 1 1	22 29 17 100	7 7 3 0	12 15 50 0	848 844 831 840	53 41 6 0	23 9 0 0	44 45 33 0	23 30 17 0	11 16 50 0	849 844 831 831	43 48 6 2	31 18 11 6	48 50 43 36	14 20 24 32	7 12 21 26	853 848 843 839
Optional school/SAU question A. B. C. D.	17 67 17 0	1 0 0 0	100 0 0 0	0 0 0 0	0 0 0 0	0 2 1 0	0 50 100 0	0 2 0 0	0 50 0 0	868 829 832 0	20 60 20 0	100 0 0 0	0 0 0 0	0 33 100 0	0 67 0 0	868 825 832 0						

MATHEMATICS RESULTS

Test Date: March 2008
Grade: 8
SAU: Maranacook CSD
School: Maranacook Community Middle

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 861–880)	2005-2006	7	6	7	6	1714	11
	2006-2007	15	13	15	14	1952	13
	2007-2008	11	10	11	10	1657	11
	Cum. Total*	33	10	33	10	5323	11
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 841–860)	2005-2006	36	31	33	30	5533	34
	2006-2007	51	44	48	43	5870	38
	2007-2008	46	40	44	41	5956	40
	Cum. Total*	133	38	125	38	17359	37
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 829–840)	2005-2006	37	32	35	32	4764	29
	2006-2007	22	19	20	18	3982	26
	2007-2008	24	21	21	19	3729	25
	Cum. Total*	83	24	76	23	12475	27
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 800–828)	2005-2006	35	30	34	31	4251	26
	2006-2007	28	24	28	25	3534	23
	2007-2008	34	30	32	30	3579	24
	Cum. Total*	97	28	94	29	11364	24

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	16	29	7.9	49.4	8.0	50.0	8.4	52.5
Cluster 2: Shape and Size	14	25	5.6	40.0	5.7	40.7	5.9	42.1
Cluster 3: Mathematical Decision Making	8	14	4.1	51.3	4.2	52.5	4.6	57.5
Cluster 4: Patterns	18	32	9.1	50.6	9.2	51.1	8.9	49.4

- Cluster 1: Numbers and Operations**
 A. Numbers and Number Sense
 B. Computation
 I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**
 E. Geometry
 F. Measurement
- Cluster 3: Mathematical Decision Making**
 C. Data Analysis and Statistics
 D. Probability
- Cluster 4: Patterns**
 G. Patterns, Relations, and Functions
 H. Algebra Concepts
 K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.



MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: Maranacook CSD
 School: Maranacook Community Middle

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	115	11	10	46	40	24	21	34	30	839	108	10	41	19	30	840	14921	11	40	25	24	841
Ethnicity																						
African American/Black	2										2						352	2	23	23	52	828
American Indian or Native Alaskan	0										0						117	5	22	33	39	832
Asian or Pacific Islander	0										0						181	24	42	20	14	848
Hispanic	1										1						131	7	34	26	33	836
Caucasian/White	112	10	9	46	41	24	21	32	29	839	105	10	42	20	29	840	14140	11	41	25	23	841
Not Reported	0										0						0					
Identified disability																						
Yes	9	0	0	1	11	1	11	7	78	818	8	0	13	13	75	820	2265	1	14	22	62	824
No	106	11	10	45	42	23	22	27	25	841	100	11	43	20	26	841	12656	13	45	26	17	844
Current LEP																						
Yes	0										0						315	5	24	20	51	828
No	115	11	10	46	40	24	21	34	30	839	108	10	41	19	30	840	14606	11	40	25	23	841
Economically disadvantaged																						
Yes	27	1	4	9	33	7	26	10	37	835	26	4	35	23	38	835	5217	5	30	29	37	834
No	88	10	11	37	42	17	19	24	27	841	82	12	43	18	27	841	9704	15	45	23	17	845
Migrant																						
Yes	0										0						7	0	43	43	14	838
No	115	11	10	46	40	24	21	34	30	839	108	10	41	19	30	840	14914	11	40	25	24	841
Gender																						
Female	57	6	11	22	39	12	21	17	30	840	53	11	40	21	28	841	7199	11	40	26	23	841
Male	58	5	9	24	41	12	21	17	29	839	55	9	42	18	31	839	7722	11	40	24	25	841
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						806	3	20	30	47	831
No	115	11	10	46	40	24	21	34	30	839	108	10	41	19	30	840	14115	12	41	25	23	842
Gifted/talented program																						
Yes	0										0						592	58	39	2	1	864
No	115	11	10	46	40	24	21	34	30	839	108	10	41	19	30	840	14329	9	40	26	25	840

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
 Grade: 8
 SAU: Maranacook CSD
 School: Maranacook Community Middle

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	14	1	6	4	25	2	13	9	56	829	14	7	20	13	60	828	9	5	30	23	41	833
B. less than one hour	49	4	7	22	39	12	21	18	32	839	50	7	39	20	33	839	46	10	40	26	25	840
C. one to two hours	34	6	15	18	46	9	23	6	15	844	32	17	51	20	11	847	41	14	42	25	19	843
D. more than two hours	3	0	0	2	50	1	25	1	25	838	4	0	50	25	25	838	5	14	38	23	24	842
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	31	6	17	18	51	5	14	6	17	845	30	19	56	9	16	847	30	17	43	22	18	845
B. They match some of what I have learned.	54	5	8	22	36	15	25	19	31	838	54	9	36	24	31	839	50	10	42	26	22	841
C. They match just a little of what I have learned.	13	0	0	6	40	3	20	6	40	834	13	0	36	21	43	832	17	6	32	29	33	836
D. There is no match.	3	0	0	0	0	1	33	2	67	821	3	0	0	33	67	821	4	3	18	25	54	828
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	25	8	28	14	48	2	7	5	17	849	26	29	50	7	14	850	26	29	46	14	11	851
B. good	58	3	5	29	44	19	29	15	23	840	57	5	44	28	23	840	45	7	46	27	20	841
C. fair	13	0	0	3	20	3	20	9	60	830	13	0	21	14	64	829	23	1	26	34	38	833
D. poor	4	0	0	0	0	0	0	4	100	807	4	0	0	0	100	807	5	1	14	29	57	827
How difficult was the mathematics part of this test?																						
A. harder than my regular schoolwork	27	1	3	15	48	4	13	11	35	836	27	3	48	14	34	837	34	4	35	28	32	836
B. about the same as my regular schoolwork	62	7	10	24	34	19	27	20	29	839	61	11	35	25	29	840	52	10	43	26	21	842
C. easier than my regular schoolwork	11	3	25	6	50	0	0	3	25	848	11	25	50	0	25	848	13	33	40	14	13	852
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	27	3	10	16	52	5	16	7	23	841	28	10	50	17	23	841	44	10	40	26	25	840
B. I tried about the same as I do on my regular schoolwork.	62	6	9	27	39	18	26	19	27	839	60	9	41	23	27	840	50	13	42	24	21	843
C. I did not try as hard on this test as I do on my regular schoolwork.	11	2	17	2	17	1	8	7	58	834	11	17	17	8	58	834	6	9	27	27	38	835
How often do you use laptops in mathematics class?																						
A. almost every day	9	0	0	5	50	2	20	3	30	838	8	0	44	22	33	836	9	6	38	27	29	837
B. two or three days a week	8	0	0	3	33	0	0	6	67	832	8	0	33	0	67	832	16	8	38	27	27	839
C. two or three times each month	12	2	14	10	71	0	0	2	14	847	13	14	71	0	14	847	28	12	41	27	21	843
D. never or almost never	71	9	11	28	34	22	27	23	28	839	70	12	36	25	28	840	48	13	40	23	24	842
How often do you use calculators in mathematics class?																						
A. almost every day	58	3	4	32	48	17	25	15	22	840	60	5	48	25	23	840	38	14	42	23	21	843
B. two or three times a week	29	5	15	12	36	7	21	9	27	841	27	17	38	17	28	842	33	10	41	26	23	841
C. two or three times each month	7	3	38	1	13	0	0	4	50	841	6	43	14	0	43	847	18	10	36	27	27	840
D. never or almost never	6	0	0	1	14	0	0	6	86	821	6	0	14	0	86	821	11	7	34	26	33	836
How do you feel about the following statement? <i>"My knowledge of mathematics will be useful to me as an adult."</i>																						
A. strongly agree	58	9	13	28	42	13	19	17	25	842	57	15	44	18	24	843	54	14	44	23	18	844
B. agree	35	2	5	13	33	10	25	15	38	835	36	5	33	23	38	835	38	8	36	27	28	838
C. disagree	3	0	0	3	75	0	0	1	25	843	4	0	75	0	25	843	6	6	31	28	36	835
D. strongly disagree	3	0	0	2	50	1	25	1	25	834	3	0	33	33	33	826	2	3	23	25	49	831
Optional school/SAU question																						
A.	17	1	100	0	0	0	0	0	0	866	20	100	0	0	0	866						
B.	67	0	0	1	25	0	0	3	75	831	60	0	0	0	100	823						
C.	17	0	0	0	0	1	100	0	0	832	20	0	0	100	0	832						
D.	0										0											

SCIENCE AND TECHNOLOGY RESULTS

Test Date: March 2008
Grade: 8
SAU: Maranacook CSD
School: Maranacook Community Middle

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 861–880)	2005-2006	11	10	11	10	1879	12
	2006-2007	15	13	15	14	2192	14
	2007-2008	14	12	13	12	2371	16
	Cum. Total*	40	12	39	12	6442	14
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 841–860)	2005-2006	64	56	61	56	8604	53
	2006-2007	54	47	50	45	7916	52
	2007-2008	56	48	53	49	7630	51
	Cum. Total*	174	50	164	50	24150	52
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 831–840)	2005-2006	23	20	22	20	3618	22
	2006-2007	30	26	29	26	3340	22
	2007-2008	24	21	23	21	3175	21
	Cum. Total*	77	22	74	23	10133	22
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 800–830)	2005-2006	16	14	14	13	2174	13
	2006-2007	16	14	16	15	1865	12
	2007-2008	22	19	20	18	1731	12
	Cum. Total*	54	16	50	15	5770	12

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	14	25	8.0	57.1	8.0	57.1	8.1	57.9
Cluster 2: Physical Sciences	14	25	6.0	42.9	6.0	42.9	7.3	52.1
Cluster 3: Earth and Space Sciences	14	25	7.3	52.1	7.3	52.1	7.7	55.0
Cluster 4: Nature and Implications of Science	14	25	8.5	60.7	8.5	60.7	8.5	60.7

Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine’s 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

SCIENCE AND TECHNOLOGY RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: Maranacook CSD
 School: Maranacook Community Middle

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	116	14	12	56	48	24	21	22	19	845	109	12	49	21	18	845	14907	16	51	21	12	847
Ethnicity																						
African American/Black	2										2						349	4	35	26	34	837
American Indian or Native Alaskan	0										0						117	8	40	28	24	840
Asian or Pacific Islander	0										0						181	20	50	15	15	849
Hispanic	1										1						131	5	50	22	23	842
Caucasian/White	113	14	12	55	49	23	20	21	19	845	106	12	49	21	18	845	14129	16	52	21	11	848
Not Reported	0										0						0					
Identified disability																						
Yes	10	0	0	1	10	4	40	5	50	825	9	0	11	44	44	828	2258	3	29	31	37	836
No	106	14	13	55	52	20	19	17	16	846	100	13	52	19	16	846	12649	18	55	20	7	850
Current LEP																						
Yes	0										0						315	4	29	25	42	834
No	116	14	12	56	48	24	21	22	19	845	109	12	49	21	18	845	14592	16	52	21	11	848
Economically disadvantaged																						
Yes	27	1	4	13	48	8	30	5	19	842	26	4	46	31	19	841	5206	8	45	28	20	842
No	89	13	15	43	48	16	18	17	19	845	83	14	49	18	18	846	9701	20	55	18	7	850
Migrant																						
Yes	0										0						7	29	57	14	0	852
No	116	14	12	56	48	24	21	22	19	845	109	12	49	21	18	845	14900	16	51	21	12	847
Gender																						
Female	57	3	5	30	53	11	19	13	23	842	53	6	53	21	21	843	7196	14	52	23	12	847
Male	59	11	19	26	44	13	22	9	15	847	56	18	45	21	16	846	7711	18	51	20	12	848
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						804	6	38	34	22	841
No	116	14	12	56	48	24	21	22	19	845	109	12	49	21	18	845	14103	16	52	21	11	848
Gifted/talented program																						
Yes	0										0						592	63	35	1	0	865
No	116	14	12	56	48	24	21	22	19	845	109	12	49	21	18	845	14315	14	52	22	12	847

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE AND TECHNOLOGY RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
 Grade: 8
 SAU: Maranacook CSD
 School: Maranacook Community Middle

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	14 49 34 3	1 6 7 0	6 11 18 0	7 28 19 2	44 50 49 50	3 13 7 1	19 23 18 25	5 31 6 1	31 16 15 25	841 846 846 836	14 50 32 4	0 11 20 0	47 48 51 50	20 24 17 25	33 17 11 25	840 845 848 836	9 46 41 5	10 14 19 19	40 52 53 47	26 22 19 21	23 12 9 14	842 847 849 848
How well do the questions that you have just been given on this MEA test match what you have learned in school about science? A. The questions on the test match what I have learned in science class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	19 46 28 7	3 7 4 0	14 13 13 0	10 28 15 3	45 53 47 38	6 9 9 0	27 17 28 0	3 9 4 5	14 17 13 63	847 846 845 835	17 46 30 7	17 12 13 0	39 56 47 38	28 18 28 0	17 14 13 63	847 846 845 835	29 49 18 5	19 16 13 9	54 51 51 39	19 22 23 29	9 11 13 23	849 848 846 842
Which of the following best describes how you rate yourself as a student in science? A. very good B. good C. fair D. poor	21 57 20 2	4 9 1 0	17 14 4 0	12 37 7 0	50 56 30 0	6 12 5 1	25 18 22 50	2 8 10 1	8 12 43 50	850 847 836 831	19 59 19 2	14 14 5 0	48 58 29 0	29 17 24 50	10 11 43 50	849 847 837 831	23 54 20 3	28 15 5 2	51 55 45 35	13 21 32 34	8 9 18 29	853 848 842 838
How difficult was the science part of this test? A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	28 56 16	3 7 4	10 11 24	17 31 5	55 51 29	7 10 6	23 16 35	4 13 2	13 21 12	845 844 850	30 55 15	10 11 27	55 52 27	23 18 33	13 20 13	845 844 850	27 59 13	15 15 21	49 53 51	22 22 18	14 10 10	846 848 850
How hard did you try on the science part of this test? A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	29 66 4	3 10 1	9 13 20	18 37 0	55 49 0	7 15 1	21 20 20	5 13 3	15 17 60	844 846 837	29 66 5	10 13 20	55 50 0	23 20 20	13 17 60	845 846 837	40 55 5	15 17 12	51 53 41	22 21 25	12 10 22	847 848 843
Which courses do you plan to take before you graduate from high school? A. earth and space science and/or biology B. the course(s) described in A, plus chemistry C. the course(s) described in B, plus physics D. a life science and physical science class	29 21 36 13	0 2 10 1	0 8 25 7	23 9 20 3	70 38 50 20	6 6 5 6	18 25 13 40	4 7 5 5	12 29 13 33	844 841 851 837	30 21 36 13	0 9 24 7	71 36 50 21	16 27 13 43	13 27 13 29	844 841 851 839	25 24 22 29	11 18 30 8	53 53 47 52	23 20 14 27	13 10 8 14	846 849 853 844
How do you feel about the following statement? “My knowledge of science and technology will be useful to me as an adult.” A. strongly agree B. agree C. disagree D. strongly disagree	32 48 15 4	6 8 0 0	16 15 0 0	20 32 3 1	54 58 18 20	6 7 9 1	16 13 53 20	5 8 5 3	14 15 29 60	847 847 836 833	33 48 15 5	17 14 0 0	54 59 19 20	17 14 50 20	11 14 31 60	848 847 836 833	27 54 15 4	23 15 10 7	51 53 50 39	17 21 26 30	9 11 14 24	851 847 845 841
How well does the following statement reflect your future goals? “I am interested in a career related to science, technology, engineering, or mathematics.” A. strongly agree B. agree C. disagree D. strongly disagree	28 41 24 7	4 9 1 0	13 19 4 0	17 25 11 3	53 53 41 38	7 7 6 3	22 15 22 38	4 6 9 2	13 13 33 25	846 848 840 836	30 39 24 7	13 19 4 0	53 52 42 43	22 14 23 43	13 14 31 14	846 848 841 841	25 37 26 12	24 15 12 8	52 50 53 48	15 22 23 28	8 12 12 15	851 847 846 844
Optional school/SAU question A. B. C. D.	17 67 17 0	0 1 0 0	0 25 0 0	1 0 0 0	100 0 0 0	0 2 1 1	0 50 100 0	0 1 0 0	0 25 0 0	858 841 840 0	20 60 20 0	0 0 0 0	100 0 0 100	0 67 0 0	0 33 0 0	858 834 840 0						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
 N = Number